TO: PETE [illegible] - PLS REVIEW AND GIVE [illegible] UR COMMENTS.

Mike Mocnia

Fansteel
Metals
number ten tantalum place muskogee oklahoma 74401 (918) 687-6303

POOR QUALITY ORIGINAL

July 7, 1989

U.S. Environmental Protection Agency
Water Management Division
Enforcement Branch (6W-E)
Allied Bank Tower at Fountain Place
1445 Ross Avenue
Dallas, Texas 75202-2733

Re: Total Retention Pond
Synthetic Liner Failure
NPDES Permit No. OK 0001643
Our Letter of June 23, 1989

Gentlemen:

On June 18, 1989, after the pond liner failure approximately 90,000 gallons of the pond liquid was released to the Arkansas River via our Outfall 003. Samples were taken during the release of the material flowing out of Outfall 003 and upstream and downstream in the river. The following day, the monitoring wells around Pond 3 were sampled. The liquids were analyzed for standard outfall and monitoring well data, except for specific conductance. The analysis, which was requested by the OWRB, is attached along with a site map showing the well location.

If there are any questions about the analysis or the incident, feel free to call.

Sincerely,

T. S. CHRISTIE, JR.
General Manager
Metals Group Muskogee

TSC/bem

attach.

cc: J. E. Lambert
M. J. Mocniak
G. F. Scanter
D. Dillon, OWRB
R. Simms, OWRB

195722

MONITORING WELL ALYSIS
Samples Taken June9, 1989

Parameter	Units	#7	#8	#9	#	#19	#21	#22	#24
NH3-N	mg/l	1.5	30.6	271.4	<05	0.3	<0.05	1.6	88.4
Fluoride	mg/l	1.70	10.6	686.0	1630	10.3	796.0	16.2	940.0
Sulfate	mg/l	30.0	3250.0	52000.0	739	30.0	106.0	<4.0	825.0
COD	mg/l	3.7	<3.7	23900.0	599	7.5	7.5	53.0	374.0
TSS	mg/l	0.7	135.0	13580.0	373	35.0	129.0	30.0	63.0
Arsenic	mg/l	0.003	0.001	0.053	006	0.001	0.002	0.003	0.001
Barium	mg/l	<0.14	0.71	0.42	<L4	<0.14	<0.14	<0.14	<0.14
Cadmium	mg/l	<0.006	0.01	0.26	07	<0.00(	<0.006	0.02	0.01
Chromium	mg/l	0.08	<0.05	334.12	38	<0.05	<0.05	0.20	0.08
Lead	mg/l	<0.05	0.27	3.25	35	<0.05	<0.05	<0.05	0.18
Mercury	mg/l	<0.0001	<0.0001	<0.0001	0001	<0.00)1	<0.0003	<0.0001	<0.0001
Selenium	mg/l	<0.001	<0.001	<0.001	<J001	<0.00L	<0.001	<0.001	<0.001
Silver	mg/l	<0.02	<0.02	0.21	10	<0.02	<0.02	<0.02	<0.02
pH	SU	7.78	6.68	1.95	35	7.51	5.72	6.85	4.49
Depth	Ft. Below TP	6.42	24.67	18.00	312	--	--	--	--

ANALYSIS OF WATER SAMPLES
Taken June 18, 1989

Parameter	Units	Upstream Sample	Downstream Sample	Outfall 003 Sample
NH3-N	mg/l	0.5	0.1	470.4
Fluoride	mg/l	13.6	11.6	337.0
Sulfate	mg/l	148.0	158.0	197500.0
COD	mg/l	18.7	15.0	10240.0
TSS	mg/l	128.0	94.0	109.0
Arsenic	mg/l	0.003	0.001	0.030
Barium	mg/l	<0.14	<0.14	1.14
Cadmium	mg/l	<0.006	<0.006	0.22
Chromium	mg/l	0.08	0.31	334.19
Lead	mg/l	0.13	<0.05	4.68
Mercury	mg/l	<0.0001	<0.0001	<0.0001
Selenium	mg/l	<0.001	<0.001	<0.001
Silver	mg/l	<0.02	<0.02	0.19
pH	SU	8.13	8.07	2.02
NO3-N	mg/l			7.0